

## OVERVIEW

### **Philips Model: 42TA648BX/37**

Panache and performance meet in one stylish experience. Combining a full HD 1080p display and fantastic invisible sound, this Flat TV ensures brilliant design and powerful performance for years to come.

#### Full HD LCD Display

The Full HD screen has the widescreen resolution of 1920 x 1080p. This is the highest resolution of HD sources for the best possible picture quality. It is fully future proof as it supports 1080p signals from all sources, including the most recent, like Blu-ray and advanced HD game consoles. The signal processing is extensively upgraded to support this much higher signal quality and resolution. It produces brilliant flicker-free progressive scan pictures with superb brightness and colors.

#### HD Natural Motion

Philips invented HD Natural Motion to eliminate juddering effects that are visible with movie based picture content. HD Natural Motion estimates motion in the picture and corrects juddering movements in both broadcast and recorded movie material (such as DVD and Blu-ray Disc). The resulting smooth motion reproduction and excellent sharpness take the viewing experience to a higher level. HD Natural Motion removes judder from SD and HD pictures, including 1080p, for a motion performance that surpasses the cinema!

#### Invisible Speakers

An invisible sound system blends perfectly with the design of the cabinet. The Incredible Surround allows you to experience total surround with greater depth and width of sound. It gives a clear and spacious sound stage complementary to the rich viewing experience.

#### EasyLink

EasyLink uses the HDMI CEC industry standard protocol to share functionality between connected devices and the TV. With Easylink only one remote control is needed to operate main functionalities on your TV and connected devices. EasyLink uses the standard HDMI cable to transfer system commands. It works between all electronic devices equipped with HDMI CEC.

## SPECIFICATIONS

### Picture/Display:

- Aspect Ratio: Widescreen
- Brightness: 500 cd/m<sup>2</sup>
- Dynamic Screen Contrast: 29,000:1
- Response Time (typical): 5 ms
- Viewing Angle: 178° (H) / 178° (V)
- Diagonal Screen Size: 42"
- Panel Resolution: 1920 x 1080p
- Picture Enhancement: 3/2 - 2/2 motion pull down, 3D Combfilter, Active Control + Light sensor, Dynamic contrast enhancement, Progressive Scan
- Screen Format Adjustments: 4:3, Auto Format, Movie expand 14:9, Movie expand 16:9, Super Zoom, Widescreen, unscaled (1080p dot by dot)
- Multimedia Connections: USB memory class device
- Playback Formats: MP3, Slideshow files (.alb), JPEG Still pictures
- Aerial Input: 75 ohm F-type
- TV System: ATSC, NTSC
- Video Playback: NTSC
- Cable: Unscrambled Digital Cable -QAM
- Tuner Bands: Hyperband, S-Channel, UHF, VHF
- Computer Formats Refresh Rate: 640 x 480 60Hz, 800 x 600 60Hz, 1024 x 768 60Hz, 1280 x 768 60Hz, 1280 x 1024 60Hz, 1360 x 768 60Hz, 1920 x 1080i 60Hz, 1920 x 1080p 60Hz
- Video Formats Refresh Rate: 480i 60Hz, 480p 60Hz, 720p 60Hz, 1080i 60Hz, 1080p 60Hz

### Inputs/Outputs:

- AV 1: Audio L/R in, YPbPr
- AV 2: Audio L/R in, YPbPr
- AV 3: CVBS in, S-Video in
- HDMI 1: HDMI v1.3
- HDMI 2: HDMI v1.3
- HDMI 3: Analog audio L/R in, HDMI v1.3
- HDMI-control (CEC features): One touch play, Power status, System info (menu language), System standby
- Front / Side Connections: Audio L/R in, CVBS in, Headphone out, S-video in, USB, HDMI
- Audio Output - Digital: Coaxial (cinch)

### Audio:

- Equalizer: 5-bands
- Output Power (RMS): 25W

- Sound Enhancement: Incredible Surround
- Sound System: Dolby Digital (AC-3), BBE
- Built-in Speakers: 4

### **Special Features:**

- Child Protection: Child Lock+Parental Control
- Clock: On main display, Sleep Timer
- Ease of Installation: Autostore
- Ease of Use: 4 favorite lists, Auto Volume Leveler (AVL), Channel list, Settings assistant Wizard, Side Control
- Remote Control: TV

### **Power:**

- Ambient Temperature: 5°C to 40°C
- Mains Power: 90-240V, 50-60Hz
- Power Consumption: 240W
- Standby Power Consumption: < 1 W

### **Dimensions and Weight:**

- Dimensions: 41.2"W x 25.4"H x 3.5"D
- Dimensions w/ Stand: 41.2"W x 28"H x 10.3"D
- Weight: 44 lbs.
- Weight w/ Stand: 56.1 lbs.

### **Included:**

- Tabletop swivel stand
- Power cord
- Quick start guide
- User manual
- Registration card
- Remote control

### **Warranty:**

1 year limited